

*Sub B* 40. (New) The mutant DNA polymerase of claim 39, wherein said mutant Pfu DNA polymerase comprises one or more mutations at amino acid positions selected from the group consisting of: D405, Y410, T542, D543, K593, Y595, Y385, G387, and G388.

41. (New) The mutant DNA polymerase of claim 40, wherein said mutant Pfu DNA polymerase comprises one or more mutations selected from the group consisting of: D405E, Y410F, T542P, D543G, K593T, Y595S, Y385Q, Y385S, Y385N, Y385L, Y385H, G387S, G387P, and G388P.

42. (New) The mutant DNA polymerase of claim 37, wherein said mutant DNA polymerase is derived from the group consisting of: UITma DNA polymerase, Tli DNA polymerase, KOD DNA polymerase, JDF-3 DNA polymerase, PGB-D DNA polymerase and DP1/DP2 DNA polymerase.

*a'* 43. (New) A composition for DNA synthesis comprising an isolated mutant DNA polymerase which comprises a reduced DNA polymerization activity.

44. (New) A composition for DNA synthesis comprising an isolated mutant DNA polymerase which comprises a 3'-5' exonuclease activity and a reduced DNA polymerization activity.

45. (New) The composition of claim 43 or 44, wherein said mutant DNA polymerase comprises a mutation in the partitioning domain or the polymerase domain.

46. (New) The composition of claim 44, wherein said mutant DNA polymerase is a mutant Pfu DNA polymerase.

*Sub B* 47. (New) The composition of claim 46, wherein said mutant Pfu DNA polymerase comprises one or more mutations at amino acid positions selected from the group consisting of: D405, Y410, T542, D543, K593, Y595, Y385, G387, and G388.

48. (New) The composition of claim 47, wherein said mutant Pfu DNA polymerase comprises one or more mutations selected from the group consisting of: D405E, Y410F, T542P, D543G, K593T, Y595S, Y385Q, Y385S, Y385N, Y385L, Y385H, G387S, G387P, and G388P.

49. (New) The composition of claim 44, wherein said mutant DNA polymerase is derived from the group consisting of: UITma DNA polymerase, Tli DNA polymerase, KOD